



## PRODUCT CHANGE NOTICE (PCN)

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| <b>PART NUMBER(S):</b><br><b>SPX3819:</b> SPX3819M5-L, SPX3819M5-L/TR, SPX3819M5-L-1-2, SPX3819M5-L-1-2/TR, SPX3819M5-L-1-5, SPX3819M5-L-1-5/TR, SPX3819M5-L-1-8, SPX3819M5-L-1-8/TR, SPX3819M5-L-2-5, SPX3819M5-L-2-5/TR, SPX3819M5-L-3-0, SPX3819M5-L-3-0/TR, SPX3819M5-L-3-1, SPX3819M5-L-3-1/TR, SPX3819M5-L-3-3, SPX3819M5-L-3-3/TR,, SPX3819M5-L-5-0, SPX3819M5-L-5-0/TR, SPX3819R2-L, SPX3819R2-L/TR, SPX3819R2-L-1-5, SPX3819R2-L-1-5/TR, SPX3819R2-L-1-8, SPX3819R2-L-1-8/TR, SPX3819R2-L-3-3, SPX3819R2-L-3-3/TR, SPX3819R2-L-5-0, SPX3819R2-L-5-0/TR, SPX3819S-L, SPX3819S-L/TR, SPX3819S-L-1-8, SPX3819S-L-1-8/TR, SPX3819S-L-2-5, SPX3819S-L-2-5/TR, SPX3819S-L-3-0, SPX3819S-L-3-0/TR, SPX3819S-L-3-1, SPX3819S-L-3-1/TR, SPX3819S-L-3-3, SPX3819S-L-3-3/TR, SPX3819S-L-5-0, SPX3819S-L-5-0/TR | <b>PCN No.:</b> 08-0812-02<br><br><b>DATE:</b> 08/12/08 |
| <b>PART DESCRIPTION:</b><br><b>500mA, Low-Noise LDO Voltage Regulator</b>  |   |
| <b>LEVEL OF CHANGE:</b><br><br><div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Level I, Customer Approval.</span> <span><input checked="" type="checkbox"/> Level II, Customer Information.</span> </div>  |   |
| <b>PRODUCT ATTRIBUTE AFFECTED:</b><br><br><div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Material Change<br/> <input type="checkbox"/> Design Change<br/> <input type="checkbox"/> Process Change<br/><br/> <input type="checkbox"/> Other, Explain: Final test limit change         </div> <div style="width: 45%;"> <input checked="" type="checkbox"/> Data Sheet Change<br/> <input type="checkbox"/> Package Change<br/> <input type="checkbox"/> Packing / Shipping         </div> </div>   |   |
| <b>DESCRIPTION OF THE PROPOSED CHANGE:</b><br><ul style="list-style-type: none"> <li>➤ <b>Line Regulation</b></li> <li><b>Add:</b></li> <li><b>0.2% over temp and for <math>V_{IN}=V_{EN}= V_{OUT}+1</math> to 8V</b></li> <li><b>0.2% over temp and for <math>V_{IN}= V_{OUT}+1</math> to 16V, <math>V_{EN} \leq 6V</math></b></li> <li><b>0.2% <math>T_a= 25^{\circ}C</math> to <math>85^{\circ}C</math>, <math>V_{IN}=V_{EN}= V_{OUT}+1</math> to 16V</b></li> </ul>  |   |
| <b>REASON FOR CHANGE:</b><br><br><b>Product Re-Characterization</b>  |   |

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**PRODUCT CHANGE NOTICE**

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| <b>DATE OF SAMPLES AVAILABLE:</b><br>N/A | <b>DATE OF QUALIFICATION COMPLETED:</b><br>8/1/08 |
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| <b>ESTIMATED CHANGE DATE OR DATE CODE:</b><br>N/A | <b>SUPPORTING DATA: SPX3819 Datasheet</b> |
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| <input type="checkbox"/> <b>STANDARD DISTRIBUTION</b> | <input type="checkbox"/> <b>CUSTOM DISTRIBUTION</b> |
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**PERSON TO CONTACT WITH QUESTIONS:**

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**Please acknowledge receipt of this PCN.**

*Acknowledged:*

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Signature

\_\_\_\_\_  
Printed Name

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Company

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Title

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**Comments:** \_\_\_\_\_

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